



# CONSTRUCTION EQUIPMENT

## SWO-069272 VOLVO A45G 352071 - TRANSMISSION (AUTO)



**Sample No:** VCP435599  
**Oil Type:** DEXRON III  
**Job No:** SWO-069272



### SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VCP435599</b>   | VCP427480   | VCP413181   | VCP382587   |
| Sample Date   | <b>29 Jan 2024</b> | 09 Oct 2023 | 12 Jul 2023 | 12 Apr 2023 |
| Machine Hours | <b>7545</b>        | 7028        | 6523        | 6049        |
| Oil Hours     | <b>0</b>           | 0           | 0           | 0           |
| Oil Changed   | <b>Not Chngd</b>   | Not Chngd   | Changed     | Not Chngd   |
| Sample Status | <b>NORMAL</b>      | NORMAL      | NORMAL      | NORMAL      |

### SAIIA CONSTRUCTION LLC

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### OIL CONDITION

|             |     |             |      |      |      |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | <b>33.2</b> | 29.4 | 28.9 | 28.5 |
|-------------|-----|-------------|------|------|------|



### CONTAMINATION

| Water     | %   | NEG      | NEG | NEG | NEG |
|-----------|-----|----------|-----|-----|-----|
| Silicon   | ppm | <b>1</b> | 3   | 2   | 2   |
| Sodium    | ppm | <b>0</b> | 0   | 1   | 2   |
| Potassium | ppm | <b>2</b> | 2   | 0   | 0   |

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



### WEAR METALS

|            |     |              |    |    |    |
|------------|-----|--------------|----|----|----|
| Iron       | ppm | <b>4</b>     | 6  | 8  | 8  |
| Copper     | ppm | <b>8</b>     | 5  | 6  | 5  |
| Lead       | ppm | <b>0</b>     | <1 | 0  | 0  |
| Tin        | ppm | <b>1</b>     | <1 | <1 | <1 |
| Aluminum   | ppm | <b>2</b>     | 2  | 4  | 1  |
| Chromium   | ppm | <b>&lt;1</b> | <1 | 0  | 0  |
| Molybdenum | ppm | <b>1</b>     | 1  | <1 | <1 |
| Nickel     | ppm | <b>1</b>     | <1 | <1 | <1 |
| Titanium   | ppm | <b>&lt;1</b> | 0  | 0  | <1 |
| Silver     | ppm | <b>0</b>     | 0  | 0  | 0  |
| Manganese  | ppm | <b>0</b>     | 0  | 0  | <1 |
| Vanadium   | ppm | <b>0</b>     | 0  | 0  | 0  |



### ADDITIVES

|            |     |            |     |     |     |
|------------|-----|------------|-----|-----|-----|
| Calcium    | ppm | <b>91</b>  | 92  | 88  | 108 |
| Magnesium  | ppm | <b>8</b>   | 8   | 8   | 5   |
| Zinc       | ppm | <b>3</b>   | 6   | 8   | 13  |
| Phosphorus | ppm | <b>172</b> | 201 | 206 | 200 |
| Barium     | ppm | <b>0</b>   | 0   | 0   | 0   |
| Boron      | ppm | <b>94</b>  | 105 | 101 | 93  |

**Depot:** SAIBIR  
**Unique No:** 10859356  
**Signed:** Don Baldrige  
**Report Date:** 03 Feb 2024



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## VOLVO GRAPHS

